


Development of a pan-Fusobacterium outer membrane antisera

DS Daniel J. Slade

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 An abbreviated version of this protocol was published in Science Signaling in Jul 2020

Fusobacterium nucleatum host-cell binding and invasion induces IL-8 and CXCL1 secretion that drives colorectal cancer cell migration

DOI: 10.1126/scisignal.aba9157

Detailed protocol

Hi Chen,

We purified the membrane proteins from Fusobacterium and the company New England Peptide injected the rabbits. I believe they inject around 1-2 mg total protein, but you'll have to contact them for specifics. Next, we did not purify the antibodies from the rabbit serum. We just use the rabbit serum for our microscopy assays.

I hope this helps.

Dan Slade

How to cite: (Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used)

1. Slade, D. (2021). Development of a pan-Fusobacterium outer membrane antisera. Bio-protocol Preprint. bio-protocol.org/prep956.
2. Casasanta, M. A., Yoo, C. C., Udayasuryan, B., Sers, B. E., Umaña, A., Zhang, Y., Peng, H., Duncan, A. J., Wang, Y., Li, L., Verbridge, S. S. and Slade, D. J. (2020). Fusobacterium nucleatum host-cell binding and invasion induces IL-8 and CXCL1 secretion that drives colorectal cancer cell migration. Science Signaling 13(641). DOI: [10.1126/scisignal.aba9157](https://doi.org/10.1126/scisignal.aba9157)

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